

**Stavrianopoulos et al., Serial No. 08/486,070 (Filed June 7, 1995)  
Exhibit A [Supplemental Amendment To Applicants' November 2, 2005  
Amendment Under 37 C.F.R. §1.115  
-- November 8, 2005]**

# **EXHIBIT A**

**Enz-7(P)(C3)**

**[CLEAN VERSION OF REPLACEMENT PAGE 1]****ENZ 7 CIP****METHODS AND STRUCTURES EMPLOYING  
CHEMICALLY-LABELLED POLYNUCLEOTIDE PROBES****CROSS-REFERENCE TO OTHER RELATED APPLICATIONS**

This is a continuation application of U.S. Patent Application Serial No. 07/967,646, filed on October 28, 1992, now abandoned, which application is a continuation application of U.S. Patent Application Serial No. 07/607,347, filed on October 30, 1990, also abandoned. Serial No. 07/607,347 is a continuation of U.S. Patent Application Serial No. 07/385,986, filed on July 20, 1989, now U.S. Patent No. 4,994,373 issued on February 19, 1991. Serial No. 07/385,986 is a continuation of U.S. Patent Application Serial No. 06/732,374, filed on May 9, 1985, also abandoned, which application is a continuation-in-part of U.S. Patent Application Serial No. 06/461,469, filed on January 21, 1983, also abandoned.

**TECHNICAL FIELD OF INVENTION**

The present invention relates generally to the detection of genetic material by polynucleotide probes. More specifically, it relates to a method for quantifiably detecting a targeted polynucleotide sequence in a sample of biological and/or nonbiological material employing a probe capable of generating a soluble signal. The method and products disclosed herein in accordance with the invention are expected to be adaptable for use in many laboratory, industrial, and medical applications wherein quantifiable and efficient detection of genetic material is desired.

**BACKGROUND OF THE INVENTION**

In the description, the following terms are employed:

**Analyte** – A substance or substances, either alone or in admixtures, whose presence is to be detected and, if desired, quantitated. The analyte

[MARKED-UP VERSION OF PAGE 1]

ENZ 7 CIP

**METHODS AND STRUCTURES EMPLOYING  
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~~This is a continuation-in-part of applicants' pending United States patent application, serial number 461,469, filed January 21, 1983.~~

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